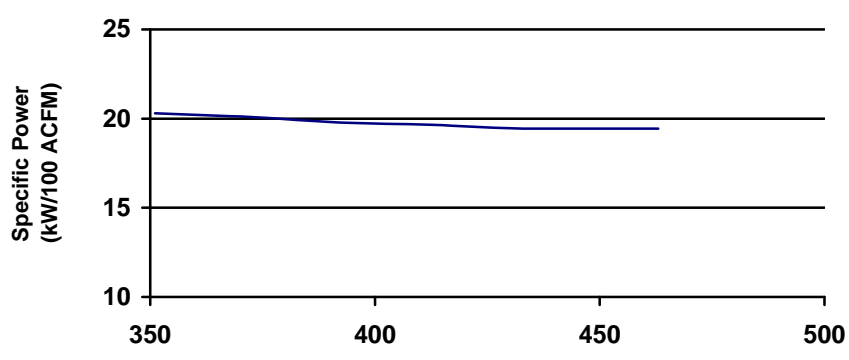


COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand		Date: Aug 11th 2009
2	Model Number: IRN100H-2S <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: 2	VALUE UNIT
3	Full Load Operating Pressure ^b	145	psig ^b
4	Maximum Full Flow Operating Pressure ^c	145	psig ^c
5	Drive Motor Nameplate Rating	100	hp
6	Drive Motor Nameplate Nominal Efficiency	94.4	percent
7	Fan Motor Nameplate Rating (if applicable)	1.0	hp
8	Fan Motor Nameplate Nominal Efficiency	80.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	90.0	463.0	19.44
	87.3	449.1	19.44
	83.8	430.6	19.45
	81.1	412.5	19.66
	77.5	392.2	19.77
	74.9	372.8	20.08
	71.3	351.1	20.30
10	Total Package Input Power at Zero Flow ^d	0.0	kW ^d
11	 <p style="font-size: small; margin-top: 5px;">Note: Graph is only a visual representation of the data in section 9</p>		

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with the Annex E to ISO 1217. acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. No Load Power. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the Annex E to ISO 1217) as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
m^3 / min	ft^3 / min	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

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